

1 ABSTRACT OF THE DISCLOSURE

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3 A reusable bomb diffusing device having a core structure with outer surfaces covered by
4 outwardly extending and increasingly upwardly-directed energy-absorbing vanes that are fixed
5 in position and separated from one another by approximately 3°, the core structure being
6 centered within an outer chamber having solid side walls and a mesh top surface through which
7 the rapidly expanding gases from a blast are exhausted. A central bottom opening in the
8 present invention permits placement directly over a bomb, with movement of the device to a
9 bomb's location being accomplished manually or via attachment to a motorized vehicle.
10 Expanding gases within the core structure are directed to the vanes in vector geometry fashion,
11 which reduces the gases' energy and drives them upward to exit the outer chamber through the
12 openings in its mesh top. During detonation, the present invention device remains substantially
13 in its pre-explosion position. Police and military applications are contemplated.